

WHAT IS CLAIMED IS:

1. An oscilloscope apparatus, comprising:
a display for displaying a plurality of objects;
a toolbar displayed on said display; and
a user interface for selecting an object, said display displaying one or more functions on said toolbar corresponding to the selected object.
2. The oscilloscope apparatus according to claim 1, wherein the object is a waveform.
3. The oscilloscope apparatus according to claim 1, wherein the object is a measurement.
4. The oscilloscope apparatus according to claim 1, wherein the object is a cursor value.
5. The oscilloscope apparatus according to claim 4, wherein the function is change types.
6. The oscilloscope apparatus according to claim 4, wherein the function is turn off.
7. The oscilloscope apparatus according to claim 1, wherein the object is a parameter.
8. The oscilloscope apparatus according to claim 7, wherein the function is trend.
9. The oscilloscope apparatus according to claim 7, wherein the function is set up.

10. The oscilloscope apparatus according to claim 7, wherein the function is histogram.
11. The oscilloscope apparatus according to claim 1, wherein the object is a channel.
12. The oscilloscope apparatus according to claim 11, wherein the function is setup channel.
13. The oscilloscope apparatus according to claim 11, wherein the function is define zoom.
14. The oscilloscope apparatus according to claim 11, wherein the function is define math trace.
15. The oscilloscope apparatus according to claim 11, wherein the function is define measurements.
16. The oscilloscope apparatus according to claim 1, wherein the object is a trace.
17. The oscilloscope apparatus according to claim 1, wherein the object is a grid.
18. An oscilloscope apparatus, comprising:
 - a display for displaying a plurality of objects;
 - a toolbar displayed on said display;
 - a user interface for selecting an object displayed on said display; and
 - a pop-up context sensitive toolbar displayed on said display, said context sensitive toolbar displaying one or more functions on said toolbar corresponding to said selected object.

19. The apparatus of claim 18, wherein said functions displayed on said context sensitive toolbar are predetermined.

20. The apparatus of claim 18, wherein said functions displayed on said context sensitive toolbar are determined based upon prior use of a particular function in conjunction with said selected object.

21. The apparatus of claim 20, wherein a function is displayed on said context sensitive toolbar if it has been previously used with said selected object.

22. The apparatus of claim 20, wherein a function is removed from said context sensitive toolbar if it has not previously been used with selected object.

23. The apparatus of claim 18, wherein said functions displayed on said context sensitive toolbar are determined based upon one or more values of said selected object.

24. A method for viewing a waveform on an oscilloscope, comprising the steps of:

displaying a plurality of objects;

displaying a toolbar;

selecting an object displayed on said display; and

displaying one or more functions on said toolbar corresponding to the selected object.

25. The apparatus of claim 24, wherein said functions displayed on said context sensitive toolbar are predetermined.

26. The apparatus of claim 24, wherein said functions displayed on said context sensitive toolbar are determined based upon prior use of a particular function in conjunction with said selected object.

27. The apparatus of claim 24, wherein said functions displayed on said context sensitive toolbar are determined based upon one or more values of said selected object.

28. A method for viewing a waveform on an oscilloscope, comprising the steps of:

- displaying a plurality of objects;
- displaying a toolbar;
- selecting an object displayed on said display; and
- displaying a pop-up context sensitive toolbar, said context sensitive toolbar displaying one or more functions on said toolbar corresponding to said selected object.

29. An oscilloscope apparatus, comprising:

- an acquisition unit for acquiring a waveform;
- a processor for processing said waveform to obtain a plurality of measurements;
- a renderer for displaying said waveform and a plurality of objects respectively and showing the plurality of measurements on a display;
- a toolbar displayed on said display; and

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